

**UTILITY PATENT APPLICATION TRANSMITTAL**  
(Only for new nonprovisional applications under 37 CFR 1.53(b))

22/64 Attorney Docket No. 03935.P004C3  
(maximum 12 characters)

First Named Inventor Tsailai Terry Wu, et al.

Title: 3-D GRAPHICS CHIP WITH EMBEDDED DRAM BUFFERS

Express Mail Label No. EV 409 360 537 US

2581 10/76541 U.S. PTO  
030804

**ADDRESS TO:** Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  **Fee Transmittal Form (e.g., PTO/SB/17)**  
(Submit an original and a duplicate for fee processing)
2.  **Applicant Claims Small Entity Status. (37 CFR 1.27)**
3.  **Specification (Total Pages 23)**  
(preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  **Drawings(s) (35 USC 113) (Total Sheets 5)**
5.  **Oath or Declaration (Total Pages 2)**
  - a.  Newly Executed (Original or Copy)
  - b.  Copy from a Prior Application (37 CFR 1.63(d))  
(for Continuation/Divisional with Box 18 completed)
    - i.  **DELETIONS OF INVENTOR(S)** Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
    - c.  Unsigned.
6.  **Application Data Sheet. (37 CFR 1.76)**
7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8.  Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b.  Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. \_\_\_\_\_ Assignment Papers (cover sheet & documents(s))

10. \_\_\_\_\_ a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)  
\_\_\_\_\_ b. Power of Attorney

11. \_\_\_\_\_ English Translation Document (if applicable)

12.  a. **Information Disclosure Statement (IDS)/PTO-1449**  
\_\_\_\_\_ b. Copies of IDS Citations

13.  **Preliminary Amendment**

14.  **Return Receipt Postcard (MPEP 503) (Should be specifically itemized)**

15. \_\_\_\_\_ Certified Copy of Priority Document(s) (if foreign priority is claimed)

16. \_\_\_\_\_ Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17A. \_\_\_\_\_ Claim for Foreign Priority

17B.  **Other: Submission of Formal Drawings transmittal and 6 sheets of drawings; and Change of Correspondence Address (1 pg).**

17C.  Pursuant to 37 C.F.R. 1.136(a)(3), applicant(s) hereby request and authorize the U.S. Patent and Trademark Office to (1) treat any concurrent or future reply that requires a petition for extension of time as incorporating a petition for extension of time for the appropriate length of time and (2) charge all required fees, including extension of time fees and fees under 37 C.F.R. 1.16 and 1.17, to Deposit Account No. 02-2666.

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title (e.g., by way of preliminary amendment), or in an Application Data Sheet Under 37 C.F.R. 1.76:

**Continuation** \_\_\_\_\_ **Divisional** \_\_\_\_\_ **Continuation-in-part (CIP)**  
Of Prior Application No.: 10/341,852 Examiner Tung, Kee M. Group Art Unit 2676  
(which is a  continuation/  divisional/  CIP of prior application no. 09/969,450,  
which is a  continuation/  divisional/  CIP of prior application no. 09/205,505) (List entire chain of priority)

Applicant(s): Also include a Preliminary Amendment to amend the specification to claim priority.

For **CONTINUATION AND DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. Correspondence Address  
Customer Number or Bar Code Label \_\_\_\_\_  
or \_\_\_\_\_ (Insert Customer No. or Attach Bar Code Label here)  
 Correspondence Address Below

NAME James C. Scheller, Jr.  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

ADDRESS 12400 Wilshire Boulevard  
Seventh Floor

CITY Los Angeles STATE California ZIP CODE 90025-1026  
Country U.S.A. TELEPHONE (408) 720-8300 FAX (408) 720-8383

Name (PRINT/TYPE): James C. Scheller, Jr. Registration No.: 31,195  
Signature: James C. Scheller Date: 3/8/2004

## FEE TRANSMITTAL FOR FY 2004

(FY 2004 Begins 10/01/2003)

TOTAL AMOUNT OF PAYMENT (\$) 936.00

Complete if Known:

Application No. \_\_\_\_\_

Filing Date March 8, 2004

First Named Inventor Tsailai Terry Wu, et al.

Examiner Name \_\_\_\_\_

Art Unit \_\_\_\_\_

Attorney Docket No. 03935.P004C3

 Applicant claims small entity status. See 37 CFR 1.27.

## METHOD OF PAYMENT (check all that apply)

 Check  Credit Card  Money Order  Other  None Deposit Account

Deposit Account Number : 02-2666

Deposit Account Name: \_\_\_\_\_

 The Director is Authorized to do the following with respect to the above-identified Deposit Account: Charge fee(s) indicated below. Credit any overpayments. Charge any additional fees during the pendency of this application. Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged. Charge fee(s) indicated below except for the filing fee.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility application filing fee	770.00
1002	340	2002	170	Design application filing fee	_____
1003	530	2003	265	Plant filing fee	_____
1004	770	2004	385	Reissue filing fee	_____
1005	160	2005	80	Provisional application filing fee	_____

SUBTOTAL (1)\$ 770.00

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	- 20	=	2	X	18.00	=	36.00	
Independent Claims	3	- 3	=	0	X	86.00	=	0
Multiple Dependent Claims	0			X			=	0
**Or number previously paid, if greater; For Reissues, see below.								

## Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code (\$)	Fee Description				
1202	18	2202	9	Claims in excess of 20			
1201	86	2201	43	Independent claims in excess of 3			
1203	290	2203	145	Multiple dependent claim, if not paid			
1204	86	2204	43	**Reissue independent claims over original patent			
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent			

SUBTOTAL (2)\$ 36.00

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Fee Code	Fee (\$)		
1051	130	2051 65 Surcharge - late filing fee or oath	_____
1052	50	2052 25 Surcharge - late provisional filing fee or cover sheet	_____
1053	130	1053 130 Non-English specification	_____
1812	2,520	1812 2,520 For filing a request for ex parte reexamination	_____
1813	8,800	1813 8,800 Request for inter parties reexamination	_____
1804	920*	1804 920* Requesting publication of SIR prior to Examiner action	_____
1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action	_____
1251	110	2251 55 Extension for reply within first month	_____
1252	420	2252 210 Extension for reply within second month	_____
1253	950	2253 475 Extension for reply within third month	_____
1254	1,480	2254 740 Extension for reply within fourth month	_____
1255	2,010	2255 1,005 Extension for reply within fifth month	_____
1401	330	2401 165 Notice of Appeal	_____
1402	330	2402 165 Filing a brief in support of an appeal	_____
1403	290	2403 145 Request for oral hearing	_____
1451	1,510	1451 1,510 Petition to institute a public use proceeding	_____
1452	110	2452 55 Petition to revive - unavoidable	_____
1453	1,330	2453 665 Petition to revive - unintentional	_____
1501	1,330	2501 665 Utility issue fee (or reissue)	_____
1502	480	2502 240 Design issue fee	_____
1503	640	2503 320 Plant issue fee	_____
1460	130	1460 130 Petitions to the Commissioner	_____
1807	50	1807 50 Processing fee under 37 CFR 1.17(q)	_____
1806	180	1806 180 Submission of Information Disclosure Stmt	_____
8021	40	8021 40 Recording each patent assignment per property (times number of properties)	_____
1809	770	2809 385 For filing a submission after final rejection (see 37 CFR 1.129(a))	_____
1814	110	2814 55 Statutory Disclaimer	_____
1810	770	2810 385 For each additional invention to be examined (see 37 CFR 1.129(b))	_____
1801	770	2801 385 Request for Continued Examination (RCE)	_____
1802	900	1802 900 Request for expedited examination of a design application	_____
1504	300	1504 300 Publication fee for early, voluntary, or normal pub.	_____
1505	300	1505 300 Publication fee for republication	_____
1803	130	1803 130 Request for voluntary publication or republication	_____
1808	130	1808 130 Processing fee under 37 CFR 1.17(i) (except provisionals)	_____
1454	1,330	1454 1,330 Acceptance of unintentionally delayed claim for priority	_____

Other fee (specify) Petition for Suspension of Action (1 page) 130.00

Other fee (specify) \_\_\_\_\_

**SUBTOTAL (3)\$ 130.00**

\*Reduced by Basic Filing Fee Paid

**SUBMITTED BY:**

Typed or Printed Name: James C. Scheller, Jr.

Signature: J. C. Scheller Date: 3/8/2004

Reg. Number: 31,195 Telephone Number: (408) 720-8300

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
 Tsailai Terry Wu, et al. )  
 Application No. \_\_\_\_\_ )  
 Filed: March 8, 2004 )  
 For: 3-D GRAPHICS CHIP WITH EMBEDDED )  
 DRAM BUFFERS )

Examiner: Not yet assigned  
 Art Unit: Not yet assigned

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

CHANGE OF CORRESPONDENCE ADDRESS

Sir:

Please change the correspondence address of the above-identified patent application to the following person and address:

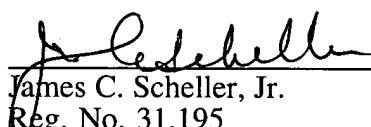
**James C. Scheller, Jr.**  
**BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN**  
**12400 Wilshire Boulevard**  
**Seventh Floor**  
**Los Angeles, CA 90025**  
**phone number: (408) 720-8300**

Please update the Patent Office records to reflect the new correspondence address and telephone number.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Date: 3/8, 2004

  
 James C. Scheller, Jr.  
 Reg. No. 31,195

12400 Wilshire Boulevard  
 Seventh Floor  
 Los Angeles, CA 90025  
 (408) 720-8300

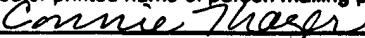
"Express Mail" mailing label number: EV 409 360 537 US

Date of Deposit: March 8, 2004

I hereby state that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450

Connie Thayer

(Typed or printed name of person mailing paper or fee)



(Signature of person mailing paper or fee)

3-8-04

(Date signed)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: \_\_\_\_\_  
Tsailai Terry Wu, et al. \_\_\_\_\_ )  
Application No. \_\_\_\_\_ )  
Filed: March 8, 2004 \_\_\_\_\_ )  
For: 3-D GRAPHICS CHIP WITH EMBEDDED )  
DRAM BUFFERS \_\_\_\_\_ )  
\_\_\_\_\_  
Commissioner for Patents

P.O. Box 1450  
Alexandria, Virginia 22313-1450

Examiner: Not yet assigned  
Art Unit: Not yet assigned

SUBMISSION OF FORMAL DRAWINGS

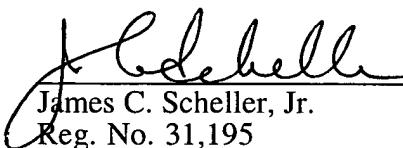
Dear Sir:

Transmitted herewith is a complete set of formal drawings, comprising six (6) sheets and seven (7) figures for the above-identified application. Applicant notes that in the formal drawings, Figures 1 and 2 have been placed on separate sheets whereas in the original application, Figures 1 and 2 were on the same sheet. Therefore, the formal drawings comprise 6 sheets instead of 5 sheets as originally filed. However, the content of Figures 1 and 2 remains the same as originally filed.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Date: 3/8, 2004



James C. Scheller, Jr.  
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"Express Mail" mailing label number: EV 409 360 537 US

Date of Deposit: March 8, 2004

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Connie Thayer

(Typed or printed name of person mailing paper or fee)



Connie Thayer

(Signature of person mailing paper or fee)

3-8-04

(Date signed)